AQUALUNG®

SERVICE MANUAL

LEGEND
FIRST STAGE

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INTRODUCTION

This manual gives the instructions and the recommendations for the disassembly, the cleaning, the checking, the reassembly and the adjustment of an Aqualung regulator.
This manual is not an instruction manual for unqualified personnel. The procedures described in this manual are intended only for qualified personnel who have been trained in the servicing of Aqualung equipment during a specialised course.
If you do not understand certain procedures in this manual you should contact an Aqualung service consultant before undertaking any operation.

WARNINGS, ATTENTION, NOTES

Certain icons have been used to facilitate the reading and understanding of this manual. They have the following meanings :

WARNING: Indicates situations that could result in serious or fatal accidents if the advice given is not followed correctly.

ATTENTION: Indicates a situation or action that could cause serious damage to the product, making it dangerous if the advice given is not followed correctly.

NOTE : Notes are used to emphasize important points as well as information which needs to be remembered.

MAINTENANCE

Attention: Whatever the number of dives carried out during a year, the regulator should receive a complete service each year. If the regulator is used in a chlorinated or aggressive environment the service period should be reduced to six months.

In order to conform with the Aqualung Regulator Lifetime Guarantee, all servicing (inspection, servicing and repairs) should be recorded in the Service Record incorporated in the regulator User Manual.

GENERAL INSTRUCTIONS

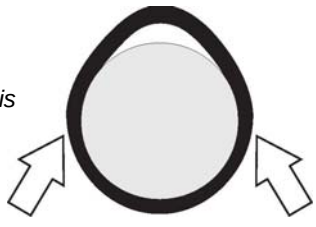
1. In order to carry out the procedures described in this manual correctly it is important that you follow the steps in the exact order indicated. Read the manual through completely so that you become familiar with all the procedures, the special tools and the replacement parts, before starting to disassemble the product. Keep this manual open near to you so that you can refer to it step by step. Do not rely on your memory..
2. All servicing and repair procedures should be carried out in a workshop that is clean, well lit, easy to access and specially fitted for the purpose.
3. The regulator body should never be directly held in the jaws of a vice. To hold the body, screw the tool 006230 into the HP port and then grip the tool with the vice.
4. Once the regulator has been disassembled, the re-usable components should be separated from the components that need to be replaced. Fragile items with seats or crowns with critical sealing surfaces should be separated and protected during servicing in order to prevent any damage.
5. Use only spare parts from Aqualung service kits. Never replace an Aqualung part with one from another manufacturer, even if it appears similar.
6. Never re-use regulator parts which should be replaced on the pretext that the regulator has seen little use since its manufacture or since its last service.
7. When reassembling, check that the torque used conforms with that shown in Table 4, Torque. Some parts can be irretrievably damaged if the acceptable torque is exceeded.

GENERAL CONVENTIONS

The conventions described below define the actions to be carried out when an instruction is given.

1. **Unscrew**: to unscrew a threaded part, turn it anti-clockwise.
2. **Screw**: to screw a threaded part, turn it clockwise.
3. **Remove the O-ring**: To remove an O-ring follow the method below, using the special tool provided for this purpose. Any tool that could damage the O-ring should be avoided. In every case, replace the O-ring removed with a new one.

Press simultaneously on the two sides of the O-ring in order to form an 'eye'. . Insert the special tool into this eye to remove the O-ring.



4. The acronyms used:
   LP: Low Pressure
   MP: Medium Pressure
   HP: High Pressure

5. Numbers in brackets indicate the part number of the component shown on the exploded view attached.

DISASSEMBLY PROCEDURE

***Note**: Before commencing disassembly, consult the exploded view to check the reference numbers of all parts requiring replacement. These parts should all be replaced by new parts and should not be re-used on the pretext that the regulator has seen little use since its manufacture or since its last service.*

***Attention**: Use only the special tool when removing O-rings in order to avoid damaging the seal recess. The slightest scratch on a sealing surface could cause a leak. If a surface should be damaged then this part should be replaced with a new one. Do not use any pointed instrument or metal tool to remove O-rings.*

1. Unscrew the hoses from the first stage using the appropriate spanner. Screw the HP and MP plugs into the open ports but leave one HP and one MP port free.
2. Use an 8mm Allen key to unscrew the plug (14) . Remove the ribbed washer (11).

3. Manually remove the diaphragm (13). Turn the body over to allow the piston (12) to fall into your hand.

4. Manually remove the spacer (10) by sliding it along the dry chamber (6).

5. Use an 8mm Allen key to unscrew the adjusting screw (9). Remove the washer (8) and then the spring (7).

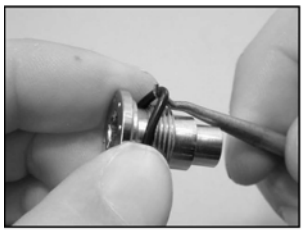
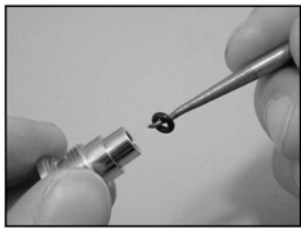
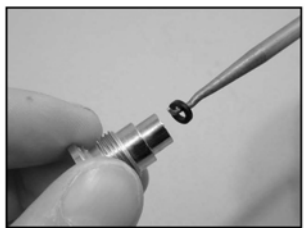
***Note**: The washer may stick in the inside of the adjusting screw. If this occurs, lightly tap the screw onto your palm to release it and allow the washer to drop out.*

6. Screw the holding tool (116230) into the free HP port. Clamp the tool into a vice so that the dry chamber (6) is positioned at the top. Use a 32mm flat spanner to unscrew the dry chamber from the body. Remove the spring pad (5). Use the O-ring removal tool (944022), to remove the washer (4). Remove the body from the vice.

7. To remove the diaphragm (3), insert an LP hose into the free MP port. Hold the diaphragm in place with your finger and let a little air into the MP port to release the diaphragm. Remove the pin support (2). Turn the regulator over and allow the pin to fall out into your hand.

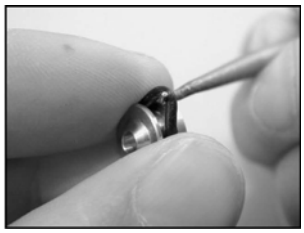
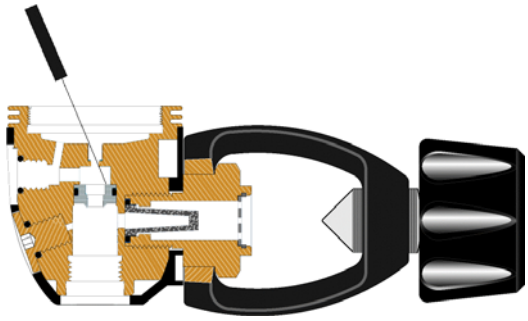
8. Use an 8mm allen key to remove the plug (20). Turn the body over to allow the spring (19) and the HP seat to fall into your palm. Separate the spring and the HP seat.

9. Remove the O-ring (23) from the plug (20). Remove the O-ring (22) and the anti extrusion washer (21) from the inside of the plug (20).

***Attention**: Before continuing, make sure that you **are working on a soft surface** in order to avoid damaging the seat (16) during disassembly.*

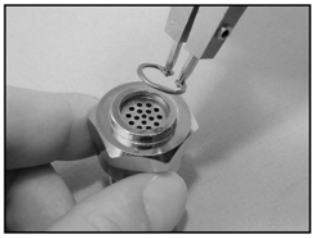
10. Insert the extraction tool (116236) into the body's central hole, on the MP side (the same side as the diaphragm). Make sure that the tool is in contact with the seat. Hold the tool at a slight angle and press down to remove the seat (15). Remove the O-ring (16) from the seat.

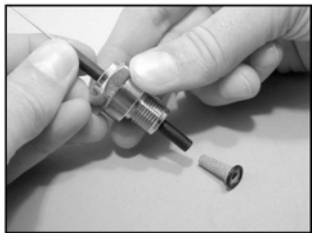
If the regulator is an yoke version, go to step 11. If it is a DIN version, go to step 12.

11. Remove the yoke.
    a. Clamp the holding tool (116230) in a vice, yoke upwards. Unscrew the yoke screw (35) and remove the dust cap (34). Use a large adjustable spanner to unscrew the seat (29). Remove the body from the vice. Remove the tool (116230) from the body.

b. Use circlip pliers to compress the circlip (31) and to remove it from the seat. Turn the seat over and let the pre-filter drop into your hand.



c. Insert the plastic end of the tool (116236) into the seat and push out the filter (26). Remove the O-ring (25)

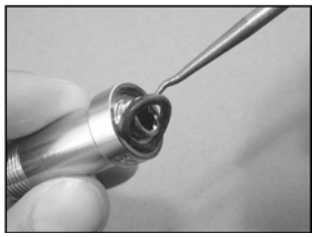


12. Remove the DIN connection (see exploded view 129070)

a. Clamp the tool (116230) in the vice, DIN connection upwards. Remove the DIN plug (33). Use a 6mm Allen key to unscrew the DIN seat (30). Remove the handwheel (32).

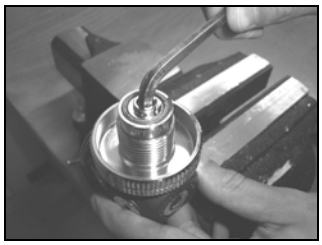
b. Using a 3mm rod, or the metal part of the tool (116236), push the filter (26) out of the DIN seat. Remove the O-ring (25).

c. Remove the O-ring (31) from the DIN seat head.



13. Remove the Nitrox connection (see exploded view 129445)

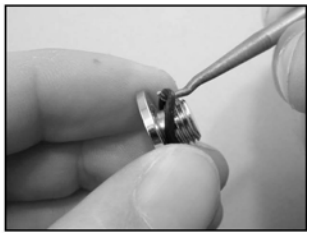
Clamp the tool (116230) in the vice, DIN connection upwards. Remove the DIN plug (33). Use a 6mm Allen key to unscrew the DIN seat (30). Remove the handwheel (31).



Using a 3mm rod, or the metal part of the tool (116236), push the filter (26) out of the Nitrox seat. Remove the O-ring (25).

Remove the O-ring (32) from the DIN seat head.

14. Remove the regulator from the vice and unscrew the tool (116230) from the body. Use a 4mm Allen key to unscrew the plugs (27 et 28) from their ports and remove their O-rings.



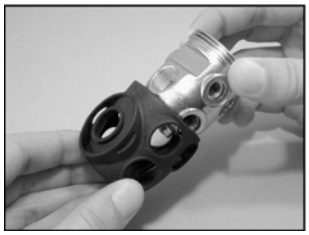
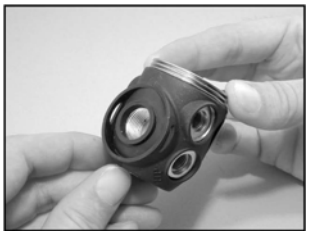
15. Remove the protective housing (24) by sliding it along the body (1).

END OF DISASSEMBLY

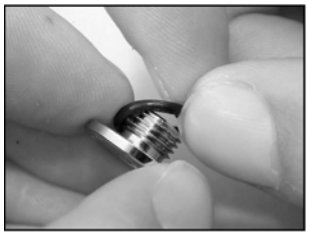
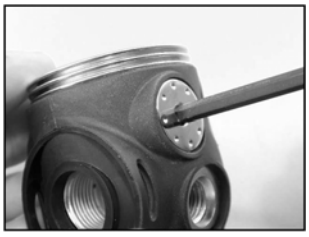
Before starting to re-assemble the regulator, make sure that all replacement parts have been cleaned and lubricated in accordance with *Procedure A : Cleaning and Lubricating* on page 14.

RE-ASSEMBLY PROCEDURE

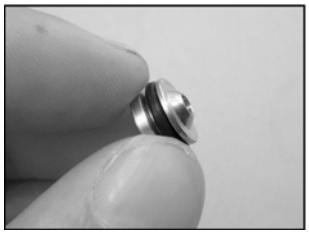
1. Refit the protective housing (24) onto the body (1). Make sure that all the ports and orifices in the body are aligned with the holes in the protector.

2. Fit new lubricated O-rings to all the plugs (27 et 28). Screw the plugs into all the ports except one HP port, and tighten them using a 4mm Allen key.

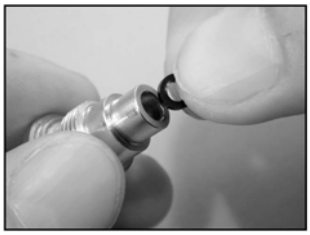



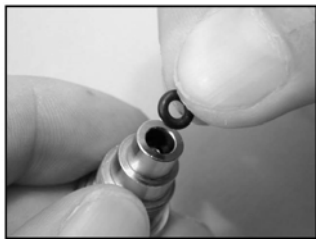
3. Fit a new lubricated O-ring (16) on to the seat (15). Slide the seat onto the tool (116236), with the sealing crown of the seat against the plastic part of the tool. Push the seat into the body to position it. Push on the plastic part behind the tool to make sure that it is in contact.



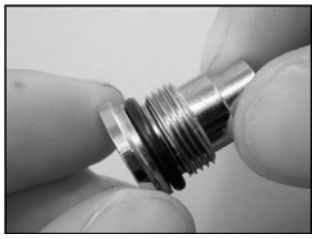
***Note** : Before continuing, closely examine the anti-extrusion washer (21). You will note that it has a flat side and a concave side. For correct assembly the concave side should be against the O-ring, as shown in the picture below.*

4. Position the anti extrusion washer (21) in the plug (20) with its concave side facing out. Lubricate the new washer (22) well and fit it into the plug, against the washer (21). Visually check that the O-ring is correctly in contact. Lubricate the O-ring again after it is in place.

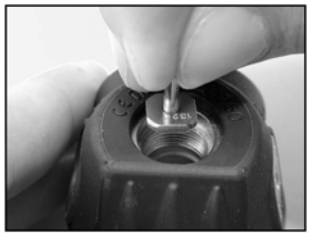




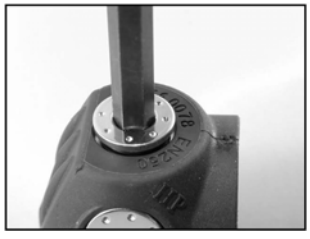
5. Fit a new lubricated O-ring (23) onto the plug (20)



6. Fit a new HP seat (18), with its blue face toward the interior of the body. Check that the seat sits upright inside the body. Position the spring (19) around the seat.



7. Fit an 8mm Allen key into the plug (20). Engage the plug into the regulator body. Push on the plug to compress the spring, at the same time screwing the plug into the body until it blocks. Using a torque wrench, tighten the plug to 0.5 m.Kg.



8. Turn the regulator over so that the MP side faces you. Insert the pin (17) into the central hole. Place the pin support (2) over the pin. Press several times on the pin support. It should feel like a push-button.

9. Fit a new diaphragm (3) into the body. Make sure that the diaphragm is correctly positioned by pressing all around its edge with your finger. Fit the washer (4) on to the diaphragm and make sure that it is correctly positioned against the diaphragm.

10. Fit the spring pad (5), flat side down, in the centre of the diaphragm.

11. Screw the holding tool (116230) into a HP port and clamp the tool in a vice, diaphragm upwards.
Screw the dry chamber (6) fully onto the body by hand. Place the tool (122152).

Using a torque wrench, tighten the dry chamber at 2.5 m.kg.

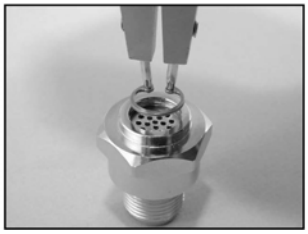
10. Engage the spring (7) in the centre of the spring pad. Fit the washer (8) on the spring.

13. Using an 8mm Allen key, screw the adjusting screw (9) in until 2 or 3 threads are still visible on the dry chamber.

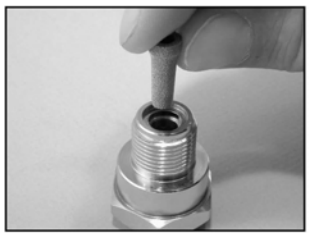
If the regulator is an yoke version, go to step 14. If it is a DIN version, go to step 15.

14. Assembling the yoke (see exploded view 129060)

a. Fit the pre-filter (30) into the seat (29). Using circlip pliers, compress the circlip (31) and fit it into the housing in the seat. Check that the circlip is correctly positioned.



b. Fit the filter (26) (with its conical part toward the interior of the seat) into the seat (29) (threaded side). Fit a new lubricated O-ring (25) at the base of the seat, around the filter.

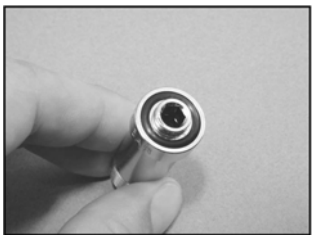


c. Remove the regulator from the vice. Hold the body with the entry downwards. Place the seat (29) into the yoke (33) then manually screw the seat fully home into the body. Position the holding tool so that the yoke is uppermost. Using a torque wrench with the tool (111001) tighten the seat at 2.5 m.kg.

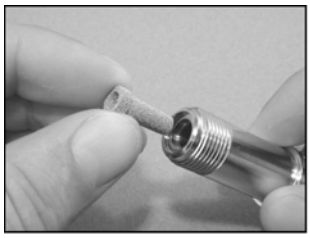
d. Thread the yoke screw (34) through the dust cap strap leaving the Aqualung logo on the outside. Screw the yoke screw (35) into the yoke.

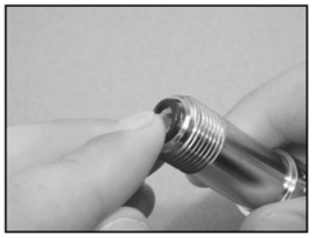
15. Fitting the DIN connection (see exploded view 129070) Or Nitrox (see exploded view 129445)

a. Fit a new O-ring (31) into the head of the DIN seat, or a new O-ring (32) into the head of the Nitrox seat.



a. Fit the filter (26) (conical part towards the inside of the seat) into the seat (29) or (30) (threaded side). Fit a new O-ring (25) to the bottom of the seat, around the filter.





b. Remove the regulator from the vice. Hold the regulator with the entry downwards. Fit the DIN seat into the handwheel (32) or the Nitrox handwheel (31). Manually screw the seat fully home into the body. Clamp the regulator in the vice, seat uppermost. Using a 6mm Allen key torque wrench tighten the seat at 2.5 m.kg.

16. Remove the regulator from the vice, unscrew the holding tool and screw in the HP plug.

ADJUSTING THE FIRST STAGE

Note *: Please refer to* ***Table 5. Checking Specifications*** *for the adjustment values and the tolerances.*

1. Screw an MP gauge (0-25 bar) into one of the MP ports. If the gauge is not fitted with an over-pressure valve, then it is vital that the second stage is fitted so that it can act as an over-pressure valve in the event of an HP leak.

2. Connect the first stage to a cylinder charged to 200bar. Slowly open the cylinder valve to put the regulator under pressure.

Attention: if the MP indicated rapidly exceeds 9.5bar then this indicates a HP leak. Close the cylinder valve immediately and purge the regulator. Refer to **Table 1**. **Troubleshooting Guide.**

3. After checking that there is no leak, adjust the MP by turning the adjusting screw: Screwing in increases the MP, unscrewing reduces the MP.

Turn the screw by increments of 1/8 of a turn and purge the regulator several times, using the second stage, after each increment. Adjust the MP as follows :

MP at 9.5 bar: Legend and Legend LX
MP at 8.5 bar: Legend Supreme & Legend LX Supreme

Once the MP has been adjusted, purge the second stage about ten times. When this is finished check the pressure gauge. The MP should be stable at the desired value (8.5b or 9.5b depending on the regulator). Make any further adjustments that may be necessary. Leave the regulator under pressure for several minutes and check that the MP remains stable. If the MP rises more than 0.3 bar this indicates that there is a leak. Refer to **Table 1**. **Troubleshooting Guide.**

4. Close the cylinder valve and completely purge the regulator. Put the regulator under pressure once more and check that the MP is at :

MP at 9.5 bar: Legend et Legend LX
MP at 8.5 bar: Legend Supreme & Legend LX Supreme

If the MP is different, repeat steps 3 and 4 until a stable pressure is obtained.

FINAL ASSEMBLY

1. Fit the spacer (10) with the flats uppermost over the dry chamber so that the flats fit. With the spacer in place, fit the ribbed washer (11) against the spacer.

***Note**: Steps 2 and 3 should be carried out with the regulator under pressure.*

2. With the regulator under pressure, insert the piston (12) into the dry chamber. Insert the back of the diaphragm (13) into the groove in the dry chamber (6).

3. Using a 8mm allen key torque wrench, screw the plug (14) into the dry chamber at 0.4 m.kg. Check that the MP remains at :

   MP at 9.5 bar: Legend et Legend LX
   MP at 8.5 bar: Legend Supreme & Legend LX Supreme

4. Close the cylinder valve and purge the regulator. Remove the MP pressure gauge and replace the MP plug.

END OF REASSEMBLY

TEST IN WATER

Check that all the MP and HP plugs are in place and that a correctly adjusted second stage is connected to the first stage. Slowly open the cylinder valve to put the regulator under pressure.
Immerse the first stage completely in water to check that there are no leaks.

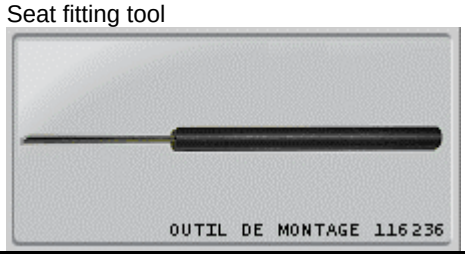
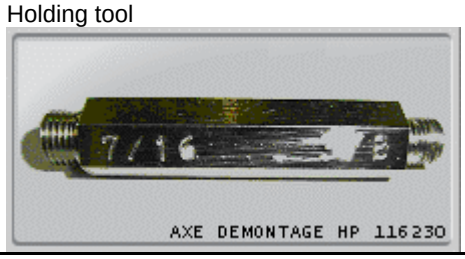
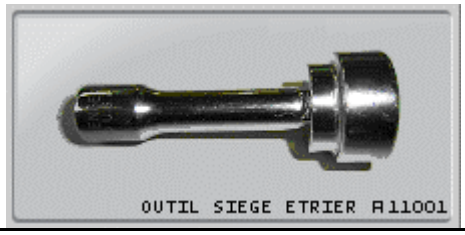
***Note**: Do not mistake any bubbles which are trapped in the regulator with a leak. If there is a leak there will be a constant stream of bubbles.*

When you are sure that there is no leak, close the cylinder valve and purge the regulator. Remove the first stage from the cylinder and refit the dust cap.
If a leak has been detected then note its source and refer to **Table 1. Troubleshooting Guide.**

Table 1. Troubleshooting Guide

SYMPTOM	POSSIBLE CAUSE	TREATMENT
Increase in MP (likely to cause a second stage leak)	1. The HP seat (18) is worn or damaged.	1. Replace the HP seat.
	2. The crown (15) is damaged.	2. Replace the crown
	3. The O-ring (22) is worn or damaged.	3. Replace the O-ring
	4. O-ring groove on the plug (20) damaged	4. Replace the plug (1)
	5. O-ring (16) is worn or damaged.	5. Replace the O-ring
	6. O-ring groove on the crown (15) on the body is damaged	6. Replace the body
External leak	1. O-rings (25 et 32) are extruded, worn or damaged.	1. Replace the O-ring(s)
	2. The diaphragm (13) is worn or damaged.	2. Replace the diaphragm
	3. The diaphragm (3) is worn or damaged.	3. Replace the diaphragm
	4.The sealing face of the diaphragm is damaged.	4. Replace the body
	5. Dry chamber is loose (6)	5. Tighten the dry chamber
	6. Seat O-ring (25) damaged	6. Replace the O-ring
	7. O-ring (23) damaged	7. Replace the O-ring
Reduced airflow or significant breathing resistance on complete regulator.	1. Cylinder valve not completely open	1. Open the valve, check the cylinder pressure
	2. Cylinder valve requires servicing	2. Try another cylinder
	3. Filter (26) blocked	3. Replace the filter
	4. The cylinder is empty	4. Charge the cylinder

Table 2. List of Tools and Service Kits

REF	DESCRIPTION	APPLICATION	US PART NO.
116222	MP pressure gauge complete 0/16B	Checking medium pressure	111610
N/C	O-ring tool	Fitting and removing O-rings	944022
N/C	Reversible circlip pliers	Fitting and removing circlips	111100
116236	Seat fitting tool 	Seat assembly/disassembly	109436
116230	Holding tool 	For holding 1st stage in vice	100395
A11001	Socket wrench 	Socket wrench tightening seat (29)	111001
N/C	Torque wrench 2.5 m.kg	Seat, dry chamber	n/a
N/C	Torque wrench 0.5 m.kg	Plugs	n/a
N/C	Extender	Extender for socket wrench	n/a
N/C	Adjustable spanner	Dry chamber	n/a
N/C	Allen key 4mm	MP and HP plugs	n/a
N/C	Allen key 8mm	MP adjustment, unscrew plug (20)	n/a
N/C	Hexagonal tool 8mm	Plug (20) (fits to torque wrench)	n/a
N/C	Allen key 6mm	Disassembly of DIN seat	n/a
122152	Socket	Legend Dry Chamber	
N/C	Hexagonal wrench 6mm	Tightening DIN seat (fits to torque wrench)	n/a

129009	**Service Kit HP Legend / LX**	**HP legend, HP Legend LX Yoke and DIN**	**900014**

Table 3. Recommended cleaners and lubricants

LUBRICANT / CLEANER	APPLICATION	SOURCE
Christolube MCG 111	All O-rings	Aqualung, ref. 480025
	***Attention**: Silicone parts do not require lubrication. Do not grease them. Greasing silicone parts can change their molecular construction and cause premature degradation of the material.*	
Oakite #31	Acid bath for cleaning brass and stainless steel parts.	Oakite Products, Inc.
NETALU	Acid bath for cleaning brass and stainless steel parts.	Aqualung, ref. 455001
Diluted white vinegar	Acid bath for cleaning brass and stainless steel parts.	Household stores
	***Attention**: Do not use hydrochloric acid for cleaning parts. Hydrochloric acid, even when well diluted, attacks the coating of metal parts and leaves a corrosive deposit that damages plastic parts and O-rings.*	
Washing-up liquid (diluted with hot water)	Degreases brass and stainless steel parts; general cleaning of plastic and rubber parts.	Household stores

Procedure A
Cleaning and Lubricating
(All Aqualung Regulators)

Cleaning brass and stainless steel parts.

1. Pre-clean by soaking in NETALU diluted to 25%.
2. Cleaning in an ultra-sonic bath filled with a mixture of washing-up liquid + hot water. If some resistant deposits remain then fill the ultrasonic bath with white vinegar and repeat. DO NOT put plastic, rubber, silicone or anodised aluminium parts in contact with vinegar.
3. Rinse in demineralised or fresh water to avoid calcium deposits. Soak for 10 minutes. Dry with filtered low pressure air and then check that their condition is now suitable for re-use.

Cleaning plastic, rubber and anodised aluminium parts.

For anodised aluminium parts : soak in a « NETALU diluted to 25% ». Rinse in fresh water and dry with low-pressure filtered air.
For plastic parts. (casings, plugs..) : clean in an ultrasonic bath containing a mixture of washing-up liquid and hot water. Use only a toothbrush with nylon bristles to remove any deposits. Rinse in fresh water and dry with low-pressure filtered air

***Attention**: D not place plastic and rubber parts in contact with acid solutions. This could alter their physical properties and cause degradation and premature breakdown.*

Cleaning parts for Nitrox/O2 use.

1. Metal parts : Pre-clean by soaking in NETALU diluted to 25%.
2. Ultrasonic cleaning in Promoclean TP108 diluted at 5% .
3. Rinse in demineralised water. Soak for 10 min.
4. Dry in the open air in a clean and dust-free atmosphere. Place the parts on a white cloth, allow to dry and check after drying that the cloth shows no grease deposits and that the condition of the parts is appropriate for re-use with Nitrox/O2.

Cleaning hoses.

If there is significant corrosion then it is permissible to soak only the ends in an ultrasonic bath, avoiding any possibility of the solution entering the hose. Rinse in fresh water and allow to dry with the connections hanging down. Dry the inside with filtered compressed air before reconnecting the hose to the regulator.

Wiping.

To wipe parts, use a white filter paper, a pure cotton cloth or any other material that **does not produce fluff.**

Inspection.

Visually check under a white light (day light or artificial light).
The parts are completely free of any traces of :

1. organic materials (oil, grease, paint, rust…)
2. cleaning agents
3. dust
4. humidity

Lubrication.

When handling O-rings wear unpowdered latex gloves. It is important not to allow contact between the internal components and the skin or any other source of contamination when the regulator is being prepared for Nitrox use. All seals should be lubricated with Christolube MCG111. Cover the seals with a light film of grease and remove any excess by rolling the seal between finger and thumb. Do not use an excess of grease, this can have the effect of accumulating particles which could damage the O-rings.

Table 4. Torque values

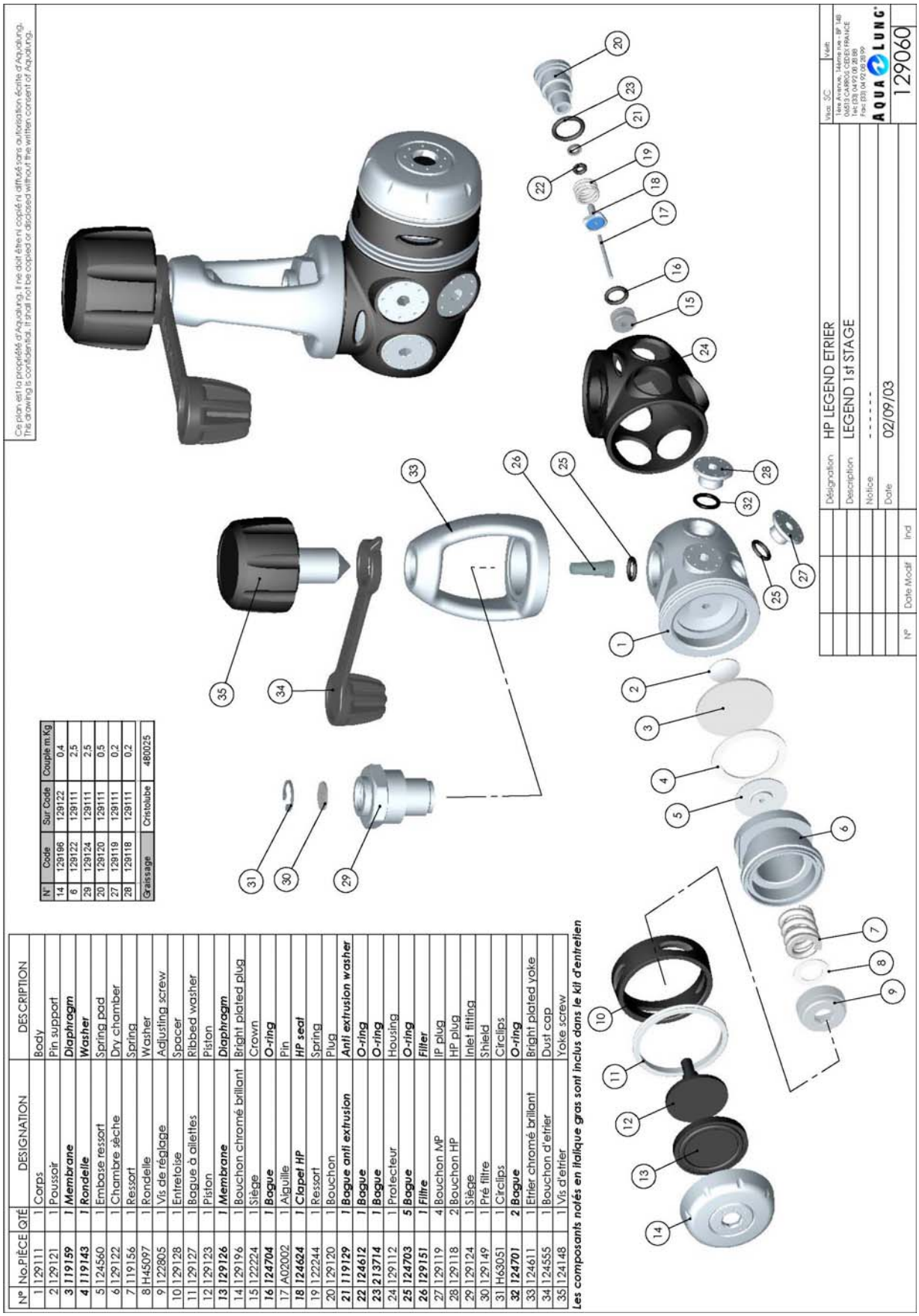
REFERENCE N°	DESCRIPTION	FORCE
129122	Dry chamber (6)	2.5 m.kg.
129124	Seat (29)	2.5 m.kg.
129125	DIN Seat (30)	2.5 m.kg.
129120	Plug (20)	0.5 m.kg.
129194, 129196	Chromed plugs (14)	0.4 m.kg.

Table 5. Checking specifications

TEST	INSTRUCTIONS	SPECIFICATIONS
Leak Test	160 bar < Working pressure < 200 bar	No leak
Medium Pressure	160 bar < Working pressure < 200 bar	**MP to 9.5 bar ± 0.5 bar**: Legend and Legend LX **MP to 8.5 bar ± 0.5 bar**: Legend Supreme and Legend LX Supreme
MP Variation	160 bar < Working pressure < 200 bar	After purging the regulator several times, the MP should not increase by more than 0.3 bar in 5-15 seconds.

Maintenance Notes.

Exploded View of Legend First Stage.



N°	No.PIÈCE	QTÉ	DESIGNATION	DESCRIPTION
1	129111	1	Corps	Body
2	129121	1	Poussoir	Pin support
3	**119159**	**1**	***Membrane***	***Diaphragm***
4	**119143**	**1**	***Rondelle***	***Washer***
5	124560	1	Embase ressort	Spring pad
6	129122	1	Chambre sèche	Dry chamber
7	119156	1	Ressort	Spring
8	H45097	1	Rondelle	Washer
9	122805	1	Vis de réglage	Adjusting screw
10	129128	1	Entretoise	Spacer
11	129127	1	Bague à ailettes	Ribbed washer
12	129123	1	Piston	Piston
13	**129126**	**1**	***Membrane***	***Diaphragm***
14	129196	1	Bouchon chromé brillant	Bright plated plug
15	122224	1	Siège	Crown
16	**124704**	**1**	***Bague***	***O-ring***
17	A02002	1	Aiguille	Pin
18	**124624**	**1**	***Clapet HP***	***HP seat***
19	122244	1	Ressort	Spring
20	129120	1	Bouchon	Plug
21	**119129**	**1**	***Bague anti extrusion***	***Anti extrusion washer***
22	**124612**	**1**	***Bague***	***O-ring***
23	**213714**	**1**	***Bague***	***O-ring***
24	129112	1	Protecteur	Housing
25	**124703**	**5**	***Bague***	***O-ring***
26	**129151**	**1**	***Filtre***	***Filter***
27	129119	4	Bouchon MP	IP plug
28	129118	2	Bouchon HP	HP plug
29	129124	1	Siège	Inlet fitting
30	129149	1	Pré filtre	Shield
31	H63051	1	Circlips	Circlips
32	**124701**	**2**	***Bague***	***O-ring***
33	124611	1	Etrier chromé brillant	Bright plated yoke
34	124555	1	Bouchon d'etrier	Dust cap
35	124148	1	Vis d'etrier	Yoke screw

N°	Code	Sur Code	Couple m.Kg
14	129196	129122	0,4
6	129122	129111	2,5
29	129124	129111	2,5
20	129120	129111	0,5
27	129119	129111	0,2
28	129118	129111	0,2
Graissage		Cristolube	480025

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Désignation	HP LEGEND ETRIER
Description	LEGEND 1st STAGE
Notice	- - - - - -
Date	02/09/03
N°	Date Modif	Ind

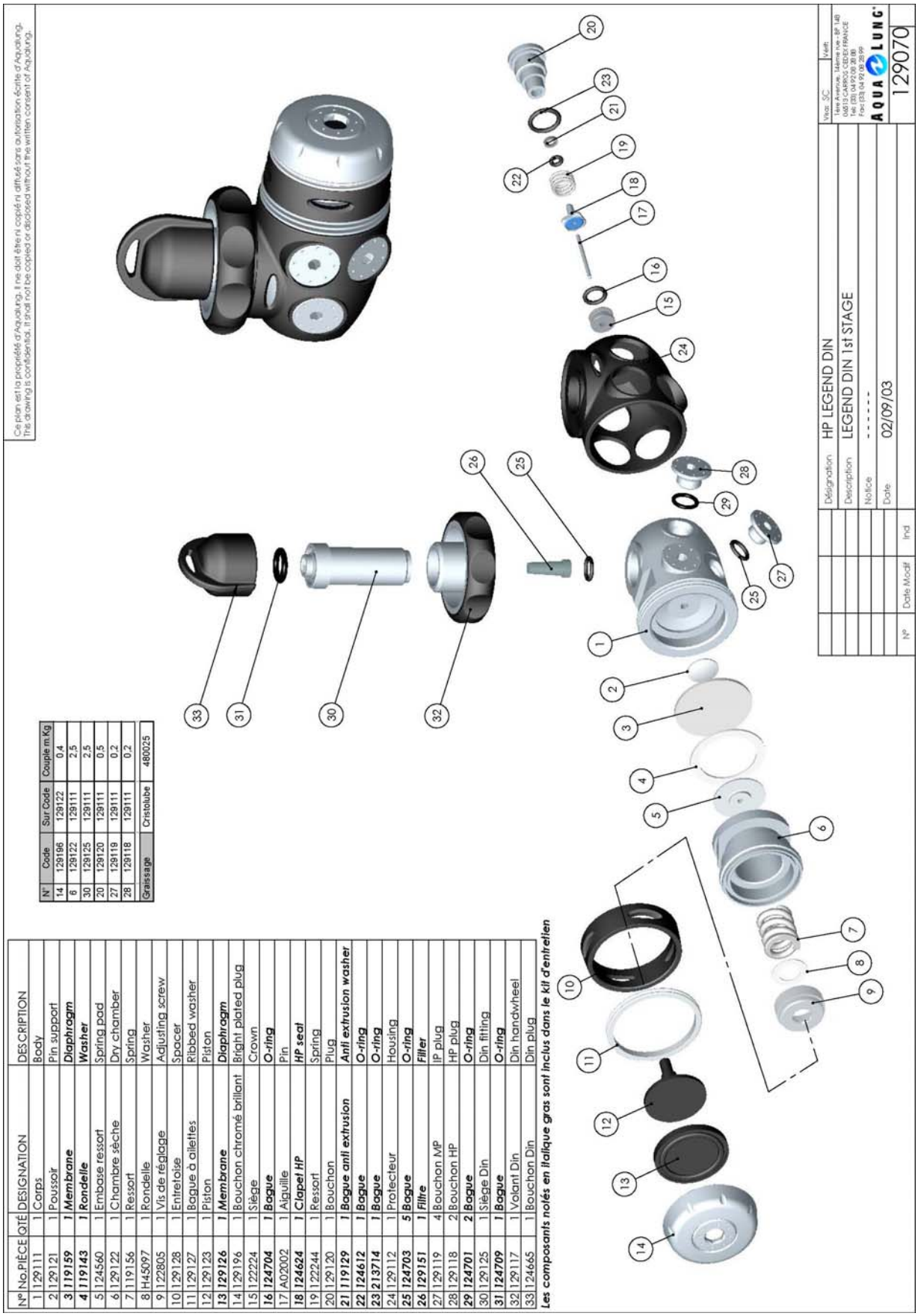
Visa: GC | Visa:

Tera Avenue, 3ème rue - BP 148
06410 BIOT SOPHIA ANTIPOLIS FRANCE
Tel: (33) 04 92 95 20 00
Fax: (33) 04 92 95 20 99

AQUA LUNG

129060

Exploded View of Legend DIN First Stage.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HP LEGEND DIN
LEGEND DIN 1st STAGE
02/09/03
129070
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N°	No.PIÈCE	QTÉ	DESIGNATION	DESCRIPTION
1	129111	1	Corps	Body
2	129121	1	Poussoir	Pin support
3	**119159**	**1**	**Membrane**	***Diaphragm***
4	**119143**	**1**	**Rondelle**	***Washer***
5	124560	1	Embase ressort	Spring pad
6	129122	1	Chambre sèche	Dry chamber
7	119156	1	Ressort	Spring
8	H45097	1	Rondelle	Washer
9	122805	1	Vis de réglage	Adjusting screw
10	129128	1	Entretoise	Spacer
11	129127	1	Bague à ailettes	Ribbed washer
12	129123	1	Piston	Piston
13	**129126**	**1**	***Membrane***	***Diaphragm***
14	129196	1	Bouchon chromé brillant	Bright plated plug
15	122224	1	Siège	Crown
16	**124704**	**1**	***Bague***	***O-ring***
17	A02002	1	Aiguille	Pin
18	**124624**	**1**	***Clapet HP***	***HP seal***
19	122244	1	Ressort	Spring
20	129120	1	Bouchon	Plug
21	**119129**	**1**	***Bague anti extrusion***	***Anti extrusion washer***
22	**124612**	**1**	***Bague***	***O-ring***
23	**213714**	**1**	***Bague***	***O-ring***
24	129112	1	Protecteur	Housing
25	**124703**	**5**	***Bague***	***O-ring***
26	**129151**	**1**	***Filtre***	***Filter***
27	129119	4	Bouchon MP	IP plug
28	129118	2	Bouchon HP	HP plug
29	**124701**	**2**	***Bague***	***O-ring***
30	129125	1	Siège Din	Din fitting
31	**124709**	**1**	***Bague***	***O-ring***
32	129117	1	Volant Din	Din handwheel
33	124665	1	Bouchon Din	Din plug

N°	No.PIÈCE	Code	Sur Code	Couple m.Kg
14	129196	129122	0,4	
6	129122	129111	2,5	
30	129125	129111	2,5	
20	129120	129111	0,5	
27	129119	129111	0,2	
28	129118	129111	0,2	
Graissage		Cristolube	480025	

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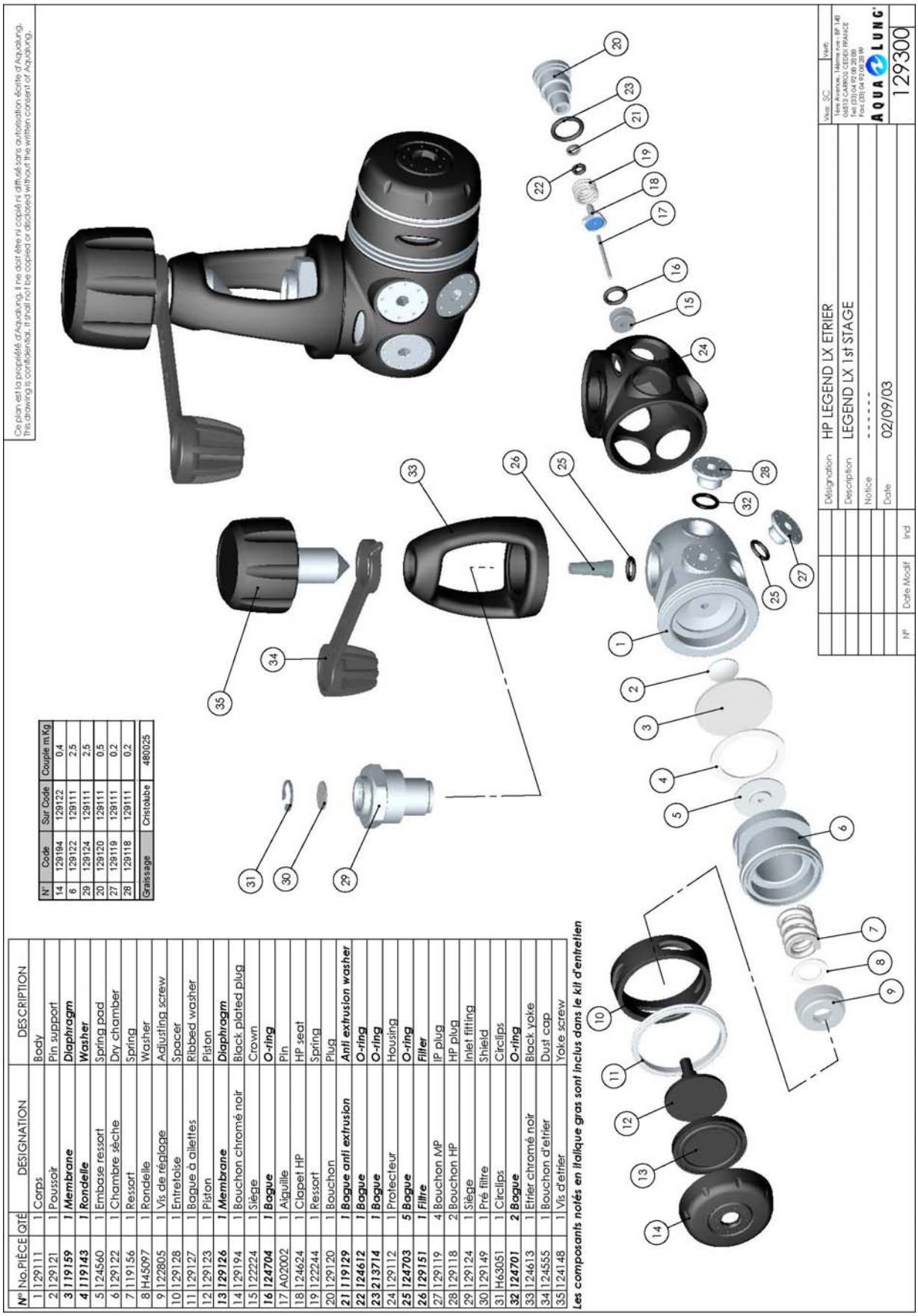
Exploded View of Legend LX First Stage.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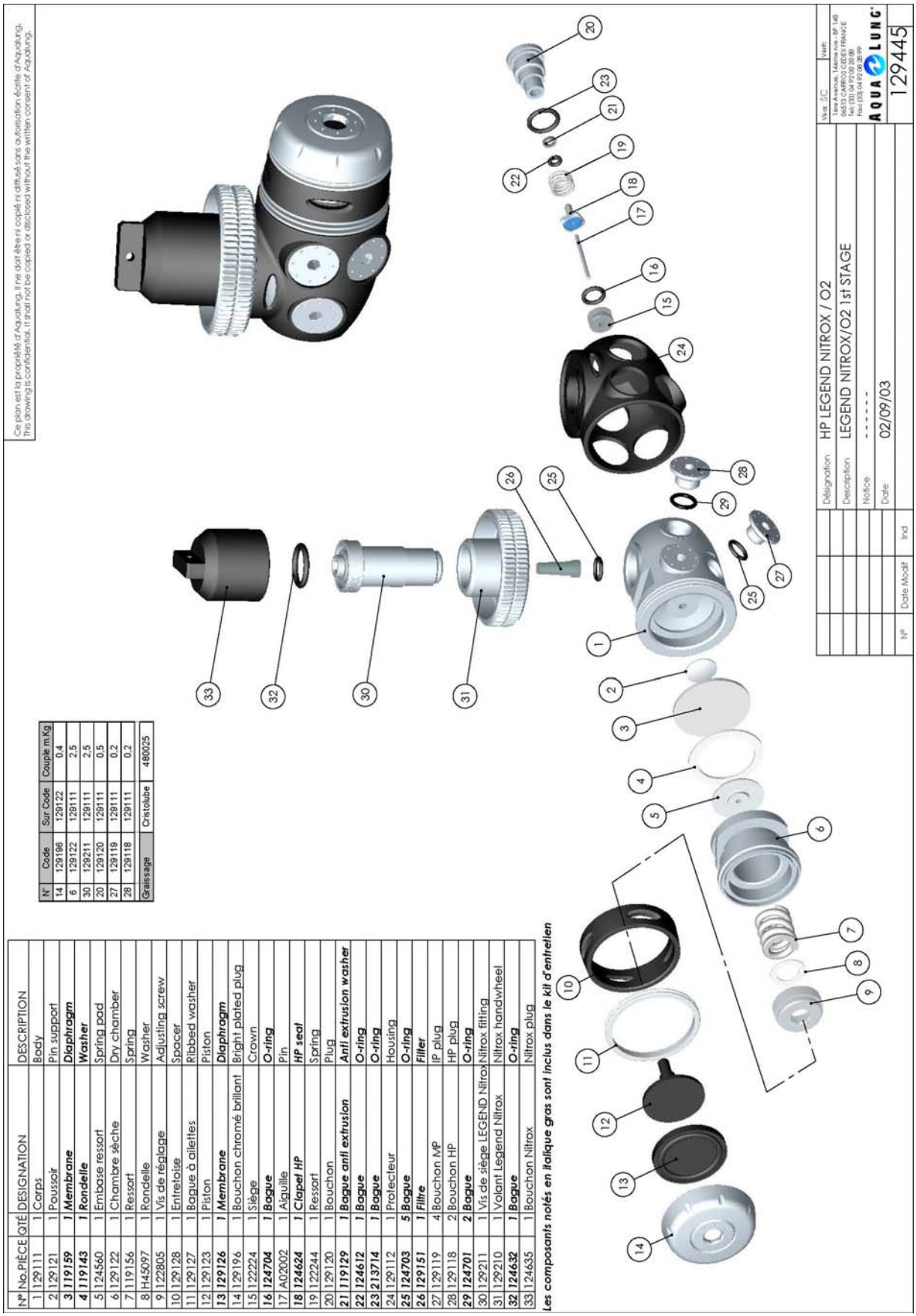
Désignation HP LEGEND LX ETRIER
Description LEGEND LX 1st STAGE
Notice ------
Date 02/09/03
Ind
Date Modif
N°
Mat: SC
Mem
AQUA LUNG
129300

N°	No.PIÈCE	QTÉ	DESIGNATION	DESCRIPTION
1	129111	1	Corps	Body
2	129121	1	Poussoir	Pin support
3	**119159**	**1**	**Membrane**	**Diaphragm**
4	**119143**	**1**	**Rondelle**	**Washer**
5	124560	1	Embase ressort	Spring pad
6	129122	1	Chambre sèche	Dry chamber
7	119156	1	Ressort	Spring
8	H45097	1	Rondelle	Washer
9	122805	1	Vis de réglage	Adjusting screw
10	129128	1	Entretoise	Spacer
11	129127	1	Bague à ailettes	Ribbed washer
12	129123	1	Piston	Piston
13	**129126**	**1**	**Membrane**	**Diaphragm**
14	129194	1	Bouchon chromé noir	Black plated plug
15	122224	1	Siège	Crown
16	**124704**	**1**	**Bague**	**O-ring**
17	A02002	1	Aiguille	Pin
18	124624	1	Clapet HP	HP seat
19	122244	1	Ressort	Spring
20	129120	1	Bouchon	Plug
21	**119129**	**1**	**Bague anti extrusion**	**Anti extrusion washer**
22	**124612**	**1**	**Bague**	**O-ring**
23	**213714**	**1**	**Bague**	**O-ring**
24	129112	1	Protecteur	Housing
25	**124703**	**5**	**Bague**	**O-ring**
26	**129151**	**1**	**Filtre**	**Filter**
27	129119	4	Bouchon MP	IP plug
28	129118	2	Bouchon HP	HP plug
29	129124	1	Siège	Inlet fitting
30	129149	1	Pré filtre	Shield
31	H63051	1	Circlips	Circlips
32	**124701**	**2**	**Bague**	**O-ring**
33	124613	1	Etrier chromé noir	Black yoke
34	124555	1	Bouchon d'etrier	Dust cap
35	124148	1	Vis d'etrier	Yoke screw

Les composants notés en italique gras sont inclus dans le kit d'entretien

N°	Code	Sur Code	Couple m.Kg
14	129194	129122	0,4
6	129122	129111	2,5
29	129124	129111	2,5
20	129120	129111	0,5
27	129119	129111	0,2
28	129118	129111	0,2
Graissage		Cristolube	480025

Exploded View of Legend Nitrox / O2 First Stage.



N°	No.PIÈCE	QTE	DESIGNATION	DESCRIPTION
1	129111	1	Corps	Body
2	129121	1	Poussoir	Pin support
3	119159	1	Membrane	Diaphragm
4	119143	1	Rondelle	Washer
5	124560	1	Embase ressort	Spring pad
6	129122	1	Chambre sèche	Dry chamber
7	119156	1	Ressort	Spring
8	H45097	1	Rondelle	Washer
9	122805	1	Vis de réglage	Adjusting screw
10	129128	1	Entretoise	Spacer
11	129127	1	Bague à ailettes	Ribbed washer
12	129123	1	Piston	Piston
13	129126	1	Membrane	Diaphragm
14	129196	1	Bouchon chromé brillant	Bright plated plug
15	122224	1	Siège	Crown
16	124704	1	Bague	O-ring
17	A02002	1	Aiguille	Pin
18	124624	1	Clapet HP	HP seal
19	122244	1	Ressort	Spring
20	129120	1	Bouchon	Plug
21	119129	1	Bague anti extrusion	Anti extrusion washer
22	124612	1	Bague	O-ring
23	213714	1	Bague	O-ring
24	129112	1	Protecteur	Housing
25	124703	5	Bague	O-ring
26	129151	1	Filtre	Filter
27	129119	4	Bouchon MP	IP plug
28	129118	2	Bouchon HP	HP plug
29	124701	2	Bague	O-ring
30	129211	1	Vis de siège LEGEND Nitrox	Nitrox fitting
31	129210	1	Volant Legend Nitrox	Nitrox handwheel
32	124632	1	Bague	O-ring
33	124635	1	Bouchon Nitrox	Nitrox plug

N°	Code	Sur Code	Couple m.Kg
14	129196	129122	0,4
6	129122	129111	2,5
30	129211	129111	2,5
20	129120	129111	0,5
27	129119	129111	0,2
28	129118	129111	0,2
Graissage		Cristolube	480025

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N°	Date Modif	Ind
	Désignation	HP LEGEND NITROX / O2
	Description	LEGEND NITROX/O2 1st STAGE
	Notice	- - - - -
	Date	02/09/03

Vitre S/C Verth

AQUALUNG

129445

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